

IN THE CLAIMS

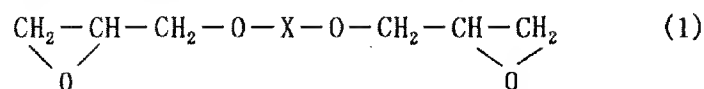
1 (Previously Presented). A neutron shielding material composition comprising:
a polymerization initiator;
a polymerization component;
a refractory material having higher density than that of a resin component comprising said polymerization initiator and said polymerization component;
a density increasing agent having higher density than that of said refractory material; and
a boron compound,
wherein said neutron shielding material composition maintains the density of a base resin comprising said resin component and said refractory material.

2 (Original). The neutron shielding material composition according to claim 1, wherein the composition does not comprise a curing agent.

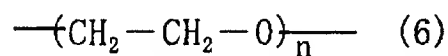
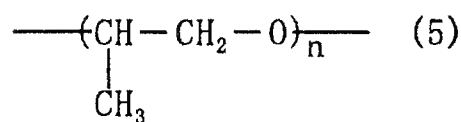
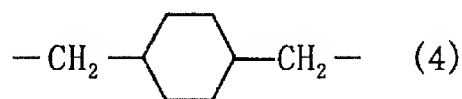
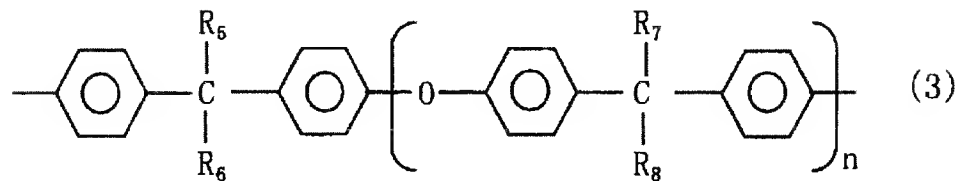
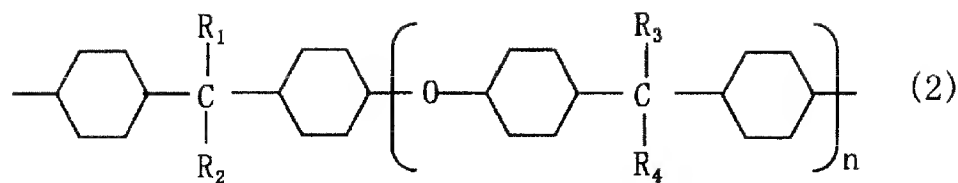
3 (Previously Presented). The neutron shielding material composition according to claim 1, wherein the polymerization component comprises an epoxy component.

4 (Original). The neutron shielding material composition according to claim 3, wherein the epoxy component comprises a hydrogenated epoxy compound.

5 (Previously Presented). The neutron shielding material composition according to claim 3, wherein the epoxy component comprises a compound of the structural formula (1):

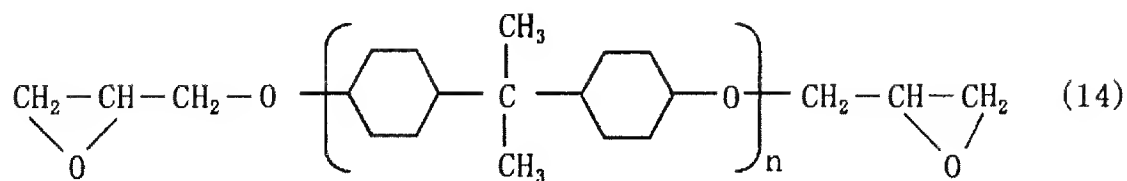


wherein X is at least one compound selected from the group consisting of compounds of the structural formulas (2), (3), (4), (5) and (6):



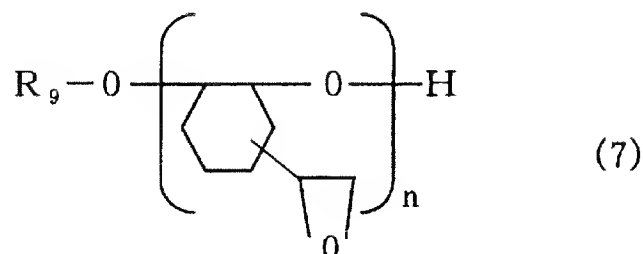
wherein R₁ to R₄ are each independently selected from the group consisting of CH₃, H, F, Cl and Br, and n is 0 to 2 in the structural formula (2), R₅ to R₈ are each independently selected from the group consisting of CH₃, H, F, Cl and Br, and n is 0 to 2 in the structural formula (3), n is 1 to 12 in the structural formula (5), and n is 1 to 24 in the structural formula (6); and a C1-20 alkyl group.

6 (Previously Presented). The neutron shielding material composition according to claim 3, wherein the epoxy component comprises a compound of the structural formula (14):

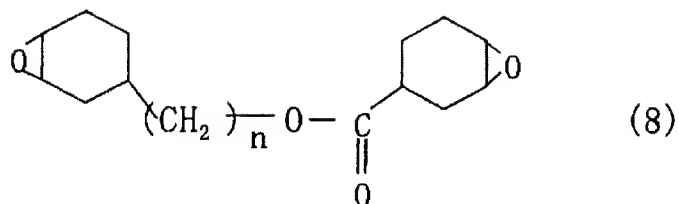


wherein n is 1 to 3.

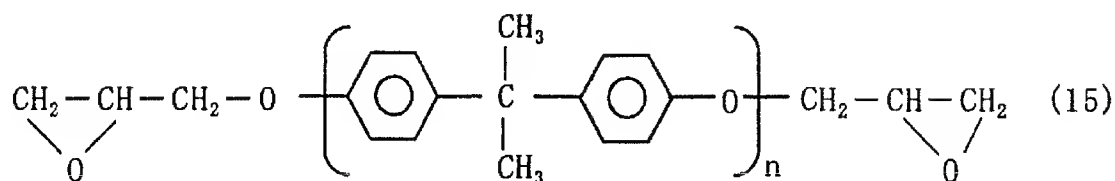
7 (Previously Presented). The neutron shielding material composition according to claim 3, wherein the epoxy component comprises at least one compound selected from the group consisting of a compound of the structural formula (7):



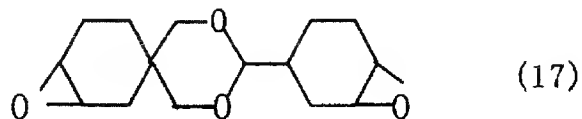
wherein R_9 is a C1-10 alkyl group or H, and n is 1 to 24; a 10 compound of the structural formula (8):



wherein n is 1 to 8; a compound of the structural formula (15):

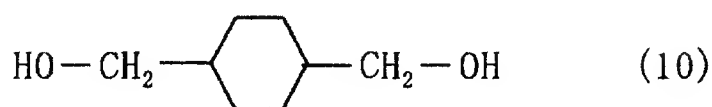
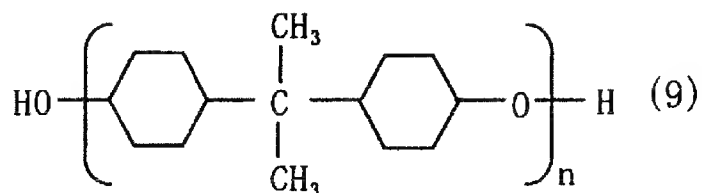


wherein n is 1 to 3; and a compound of the structural formula (17).



8 (Previously Presented). The neutron shielding material composition according to claim 1, further comprising a compound for increasing the hydrogen content in the composition.

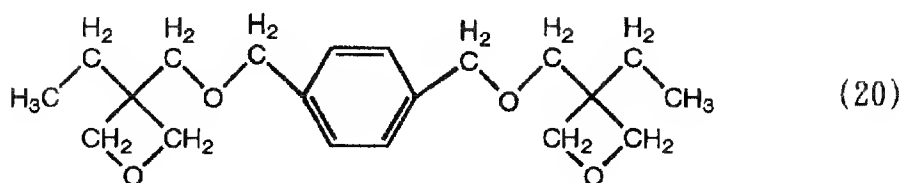
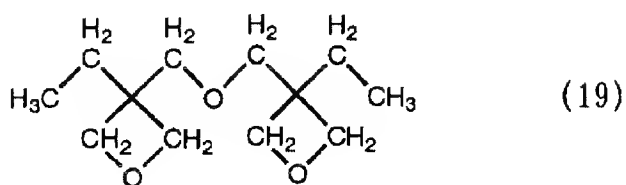
9 (Previously Presented). The neutron shielding material composition according to claim 1, wherein the compound for increasing the hydrogen content in the composition comprises at least one of compounds of the structural formulas (9) and (10):



wherein n is 1 to 3.

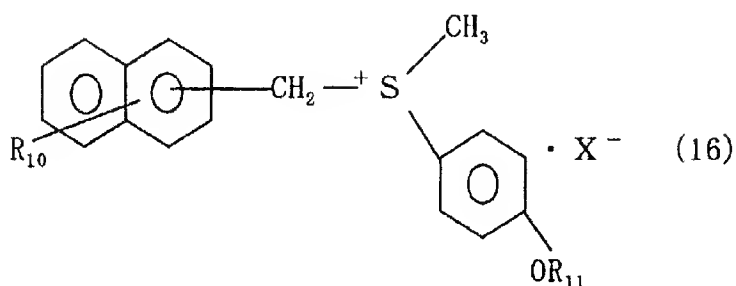
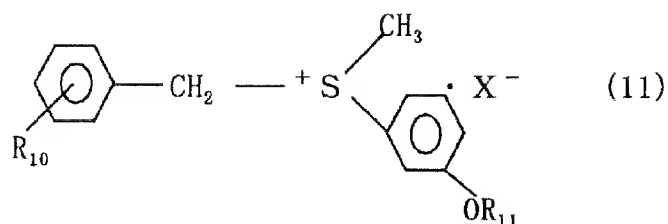
10 (Previously Presented). The neutron shielding material composition according to claim 1, comprising an oxetane compound as the polymerization component.

11 (Original). The neutron shielding material composition according to claim 10, wherein the oxetane compound comprises at least one of compounds of the structural formulas (19) and (20).



12 (Previously Presented). The neutron shielding material composition according to claim 1, wherein the polymerization initiator comprises a cationic polymerization initiator.

13 (Original). The neutron shielding material composition according to claim 12, wherein the cationic polymerization initiator comprises a compound of the structural formula (11) or (16):



wherein R_{10} is a hydrogen atom, a halogen atom, a nitro group or a methyl group, R_{11} is a hydrogen atom, CH_3CO or CH_3OCO , and x is SbF_6 , PF_6 , BF_4 or AsF_6 .

14 (Previously Presented). The neutron shielding material composition according to claim 1, further comprising a filler.

Claim 15 (Canceled).

16 (Previously Presented). The neutron shielding material composition according to claim 1, wherein the refractory material comprises at least one of magnesium hydroxide and aluminum hydroxide.

17 (Previously Presented). The neutron shielding material composition according to claim 1, wherein the density increasing agent is a metal powder having a density of 5.0 to 22.5 g/cm^3 , a metal oxide powder having a density of 5.0 to 22.5 g/cm^3 , or a combination thereof.

18 (Previously Presented). A neutron shielding material produced from the neutron shielding material composition according to claim 1.

19 (Original). A neutron shielding container produced from the neutron shielding material according to claim 18.

20 (Previously Presented). The neutron shielding material composition according to claim 1, wherein density of the neutron shielding material composition is from 1.62 g/cm³ to 1.72 g/cm³.

21 (Previously Presented). The neutron shielding material composition according to claim 16, wherein said magnesium hydroxide is obtained from sea water magnesium.